

IN THE CLAIMS:

1. (original) An infusion pump comprising :  
a pump hose (13) having two transition pieces (15, 20) at opposite ends, respectively, of the pump hose;  
a housing (10) accommodating a pump finger mechanism (12) and having two holders (16, 21) for fastening the two transition pieces (15, 20), a door (24) provided at the housing (10) and forming a counter bearing for supporting the pump hose (13); and  
wherein at least one of the holders (16) mates with the associated transition piece (15) via at least a combination of an oblique pin (17) and an oblique hole (18) to be slipped onto the oblique pin, the pin (17) and the hole (18) being inclined the same with respect to the longitudinal axis of the placed pump hose (13).
2. (original) The infusion pump of claim 1, wherein the oblique pin (17) is provided at the holder (16) and the oblique hole (18) is provided at the transition piece (15).
3. (original) The infusion pump of claim 2, wherein the holder (16) has two parallel oblique pins (17) and the transition piece (15) has two parallel holes (18).
4. (original) The infusion pump of claim 1, wherein the holder (16) has two parallel oblique pins (17) and the transition piece (15) has two parallel holes (18).
5. (original) The infusion pump of claim 1, wherein the door (24) is provided with recesses (28) for receiving the ends of the pins (17).
6. (original) The infusion pump of claim 1, wherein the other transition piece (20) comprises a locking clamp (22) engaging over a web of the housing (10).
7. (original) The infusion pump of claim 1, wherein the pump hose (13) has a longitudinal color strip (29) for detecting hose twisting.


8. (original) A pump hose, especially for an infusion pump of claims 1, 2, 3, 4, 5, 6 or 7, further comprising a length (14) of hose with a respective transition piece (15, 20) at opposite ends, wherein at least one of the transition pieces (15) has two half shells (36, 37) connected by a hinge portion (31), a tubular pin (30) projecting from the hinge portion (31), and the half shells (36, 37) having flanges (33, 34) adapted to be abutted against and connected with each other, the flanges clampingly enclosing the end of the length (14) of hose slipped on the tubular pin (30).
9. (original) The pump hose of claim 8, wherein the transition piece (15) is an integral plastic part.
10. (new) A transition piece (15) for clampingly holding an end of a length of hose 14, the transition piece (15) comprising:  
two half shells (36, 37) connected by a hinge portion (31), the half shells (36, 37) having flanges (33, 34) adapted to be abutted against and connected with each other;  
a tubular pin (30) projecting from the hinge portion (31); and,  
wherein the flanges clampingly enclose the end of the length (14) of hose slipped on the tubular pin (30).
11. (new) The transition piece (15) of claim 10, wherein the flanges of the half shells each define a tunnel portion generally aligned with each other to form a channel when the flanges are abutted and connected to each other, the channel sized for clamping engagement with a end of a tube slipped onto the tubular pin;
12. (new) The transition piece (15) of claim 10, further comprising;  
an opening sized for receiving a tubing, the opening interconnecting through the hinge to the tubular pin so that a tubing received in the opening is in fluid communication with a hose slipped onto the pin.
13. (new) The transition piece (15) of claim 12, wherein the tubing is sealingly attached to the opening.

14. (new) The transition piece (15) of claims 10, 11, 12 or 13, wherein the transition piece is an integral plastic part that is bendable about the hinge.
15. (new) The transition piece (15) of claim 14, wherein the flanges are connectable to each other by plastic welding.
16. (new) The transition piece (15) of claim 14, wherein the plastic of the transition piece is relatively harder than the hose.
17. (new) A transition piece (15) comprising:
  - a tubular pin (30) and sized for inserting into an end of a hose (14);
  - a hinge portion (31) integrally formed attached transverse to the tubular pin (30);
  - at least two shells (36, 37) integrally formed connected to the hinge portion (31) projecting adjacent to the tubular pin (30), wherein the shells are pivotable on the hinge to clamp the end of the hose onto the tubular pin.
18. (new) The transition piece (15) of claim 17, wherein the at least two shells each further comprise an integrally formed flange defining an tunnel portion so that a tubular clamping channel is formed between the flanges when the shells are pivoted on the hinge and the flanges are abutt against and connected to each other.
19. (new) The transition piece (15) of claim 17, further comprising;
  - an opening sized for receiving a tubing, the opening interconnecting through the hinge to the tubular pin so that a hose slipped onto the tubular pin is in fluid communication with the opening.
20. (new) The transition piece (15) of claim 19, wherein the opening is connectable to a tubing so that the tubing and the hose are interconnectable into fluid communication through the transition piece.

The fee for added claims is submitted herewith and in the event that any additional fee is required or if there is any deficiency or any excess fee, the Commissioner is hereby authorized to be charged or credited to Deposit Account No. 50-0591, Reference No. 17128.002001.

Respectfully submitted,

Date: 4-28-04

  
John W. Montgomery, Reg. No. 31,124  
Osha & May L.L.P.  
One Houston Center, Suite 2800  
1221 McKinney Street  
Houston, TX 77010  
Telephone: (713) 228-8600  
Facsimile: (713) 228-8778

66345\_1.DOC